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Claims

1. A bicycle with adjustable orientation of the seat and the pedals with respect to the handlebars for aiding the rider to maintain the forward motion of the bicycle comprising an x shaped frame, said frame comprised of a profile and a rigid support member, wherein said profile and said rigid support member are rotatably connected to each other by a hollow pin and wherein the rider of said bicycle can change the angle between said profile and said rigid support member by activating a tilting mechanism to cause said rigid support member to rotate about said hollow pin, said bicycle further comprising a seat attached to the upper part of said rigid support member, a first toothed-wheel attached to said frame by means of a pin passing through said toothed-wheel and the lower part of said rigid support member, said pin having a crank and pedal attached to each of its ends, and a front gear and second toothed-wheel attached to a pin that passes through said hollow pin located between said seat and said first toothed-wheel.
2. A bicycle according to claim 1, wherein the profile is comprised of two pieces connected by a joint and the pin that connects said profile and the rigid support member passes through said joint.

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3. A bicycle according to claim 1, wherein the rider of said bicycle can change the angle between the profile and the rigid support member while riding said bicycle.
4. A bicycle according to claim 1, wherein the rider of said bicycle can change the angle between the profile and the rigid support member by actuating at least one tilting mechanism chosen from the group comprised of pistons, mechanical linkages, or disc brakes.
5. A bicycle according to claim 1, further comprising a mechanism to maintain the orientation of the seat with respect to the ground.
6. A bicycle according to claim 1, further comprising shock absorbers on the front, back, or both wheels.
7. A bicycle with adjustable orientation of the seat and the pedals with respect to the handlebars substantially as described and illustrated.